

ATSC Video Packets

ARS dec

Oar

2/3 rate decoder 12 way ATSC

soft in —

38

98-

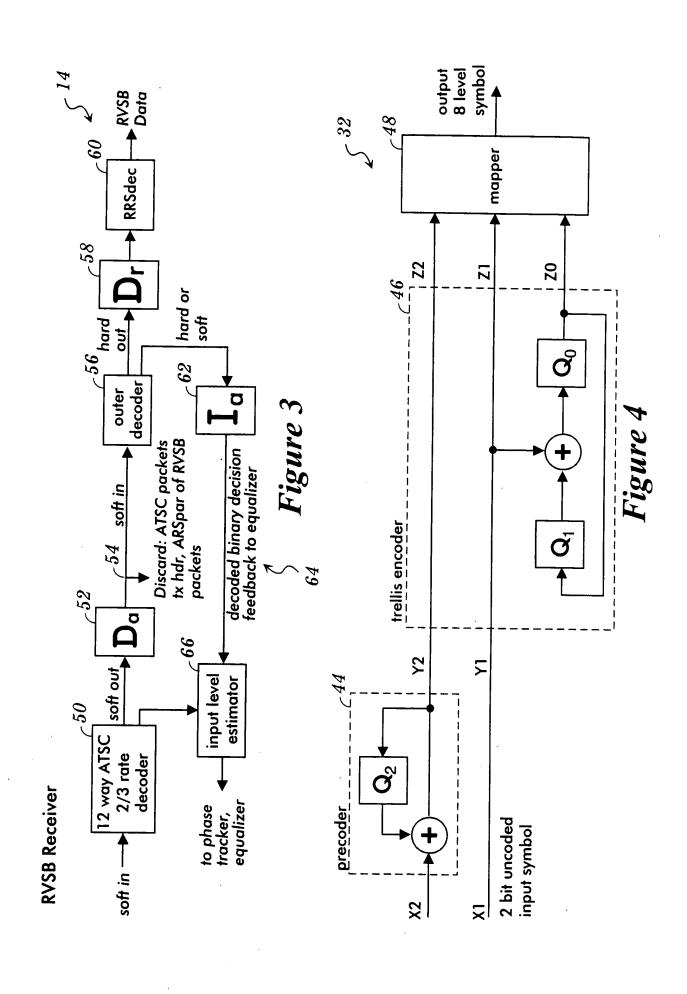
ATSC Receiver

Discard RVSB packets

Slice Predictor

Figure 5

•	7
	rigure



branch label:

 X_2X_1 / mapped output lev 1

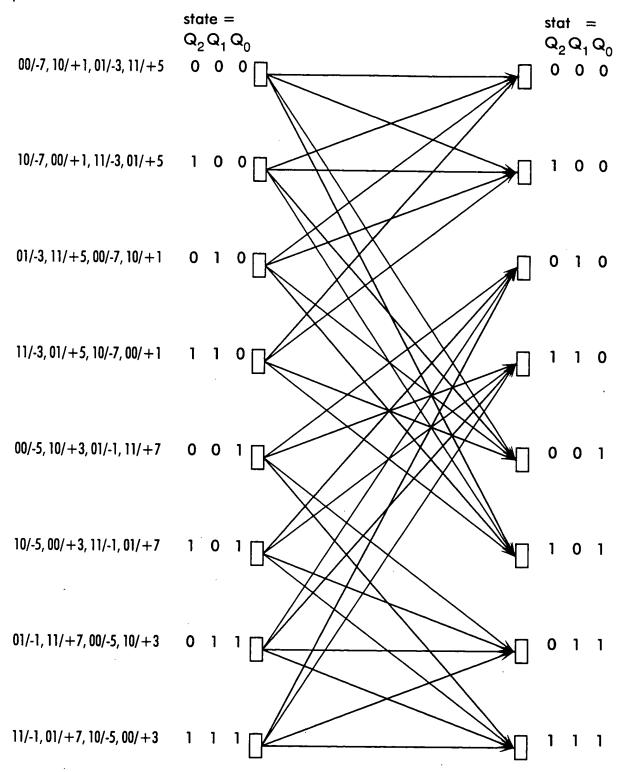
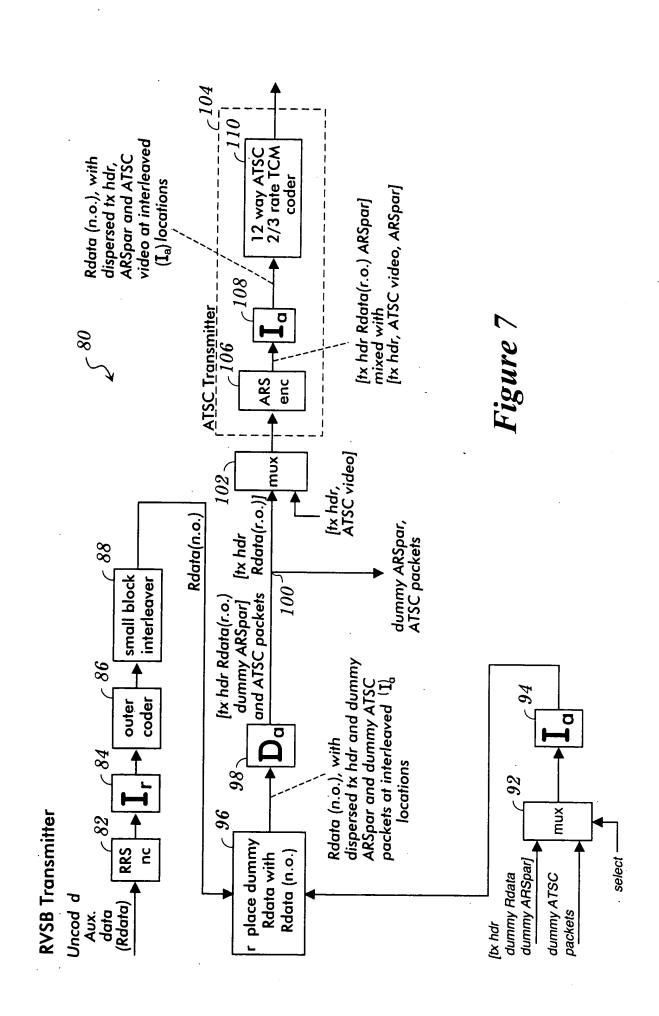
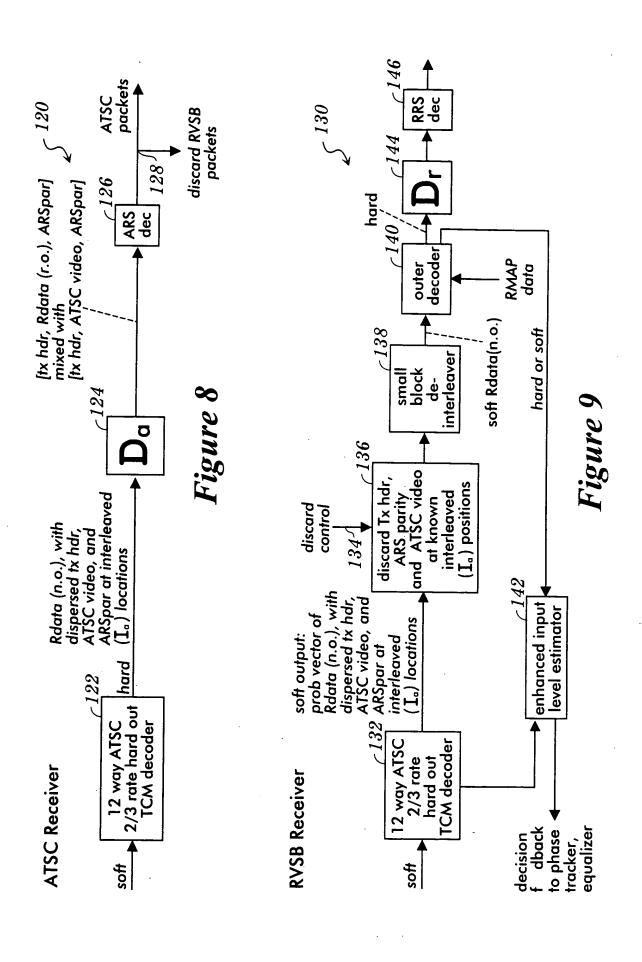


Figure 6





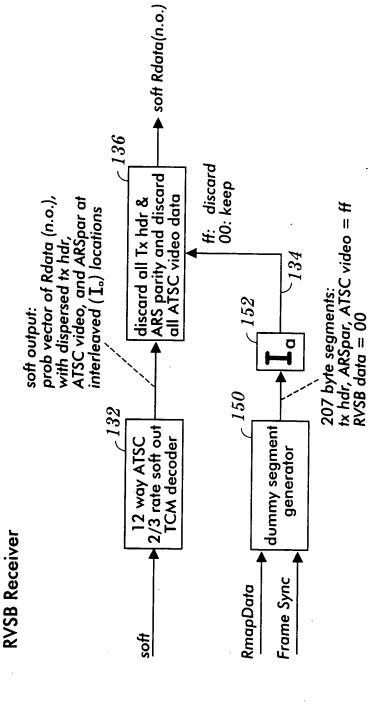
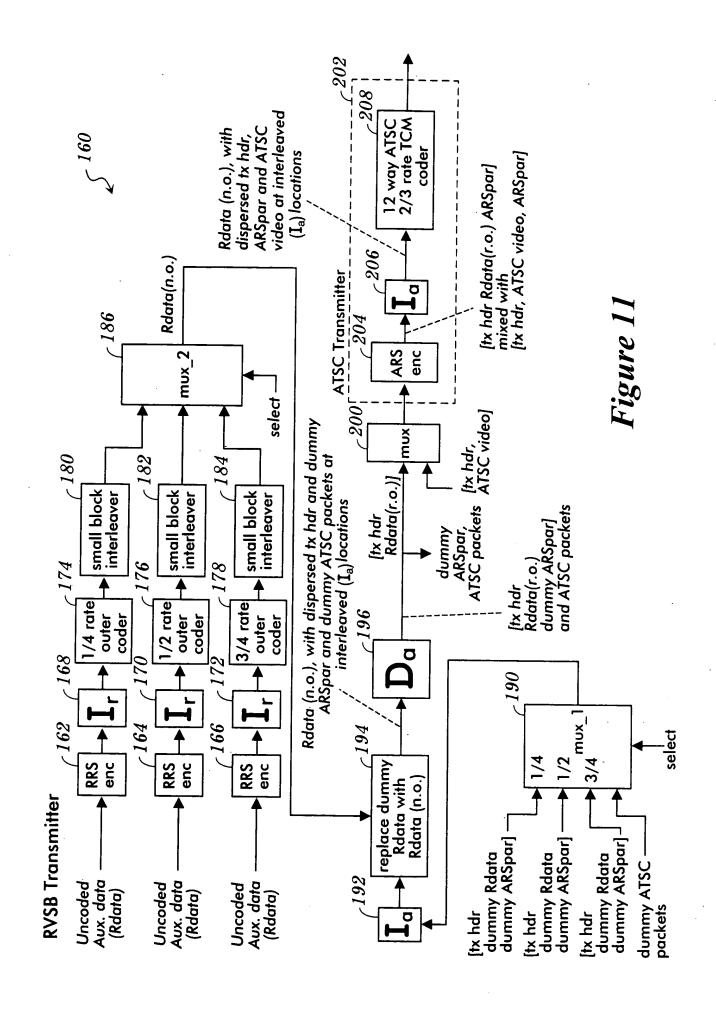


Figure 10



for 1/2 rat outer code

ATSC tx hdr (12 symbols)	RVSB data (736 symbols) 92 bytes payload		ARS parity (80 symbols)
ATSC tx hdr	RVSB data (576 symbols)	RRS parity (160 symbols) 20 bytes	ARS parity
(12 symbols)	72 bytes payload		(80 symbols)
ATSC tx hdr	RVSB data (736 symbols)		ARS parity
(12 symbols)	92 bytes payload		(80 symbols)
ATSC tx hdr	RVSB data (576 symbols)	RRS parity (160 symbols) 20 bytes	ARS parity
(12 symbols)	72 bytes payload		(80 symbols)

2 bits/symbol

1 bit/symbol

2 bits/symbol

Figure 12

for 1/4 rate outer code

ATSC tx hdr (12 symbols)	RVSB data (736 symbols) 46 bytes payload		ARS parity (80 symbols)
ATSC tx hdr (12 symbols)	RVSB data (736 symbols) 46 bytes payload		ARS parity (80 symbols)
ATSC tx hdr (12 symbols)	RVSB data (736 symbols) 46 bytes payload		ARS parity (80 symbols)
ATSC tx hdr (12 symbols)	RVSB data (416 symbols) 26 bytes payload	RRS parity (320 symbols) 20 bytes	ARS parity (80 symbols)

2 bits/symbol

0.5 bit/symbol

2 bits/symbol

Figure 13

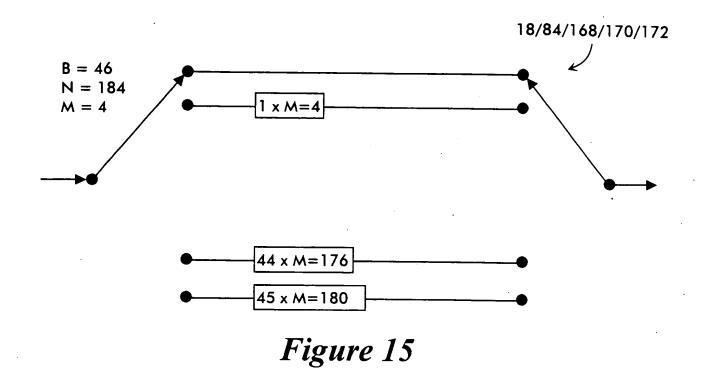
for 3/4 rate outer code

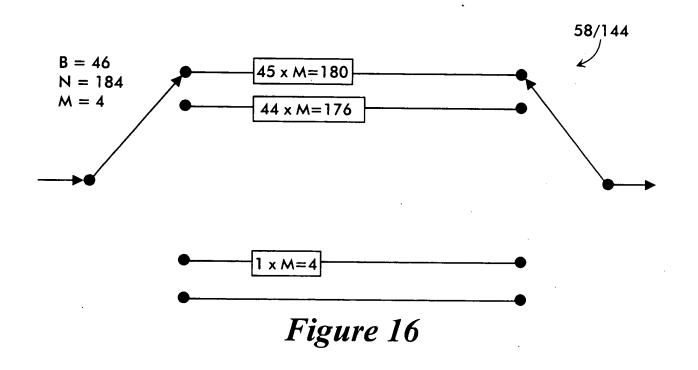
ATSC tx hdr	RVSB data (736 symbols)		ARS parity
(12 symbols)	138 bytes payload		(80 symbols)
ATSC tx hdr (12 symbols)	RVSB data (736 symbols) 26 bytes payload 20 bytes RRS parity 92 bytes payload		ARS parity (80 symbols)
ATSC tx hdr (12 symbols)	RVSB data (736 symbols) 72 bytes payload 20 bytes RRS parity 46 bytes payload		ARS parity (80 symbols)
ATSC tx hdr	RVSB data (736 symbols)	20 bytes RRS parity	ARS parity
(12 symbols)	118 bytes payload		(80 symbols)

2 bits/symbol

1.5 bit/symbol

2 bits/symbol





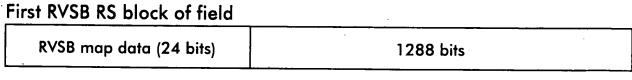


Figure 17

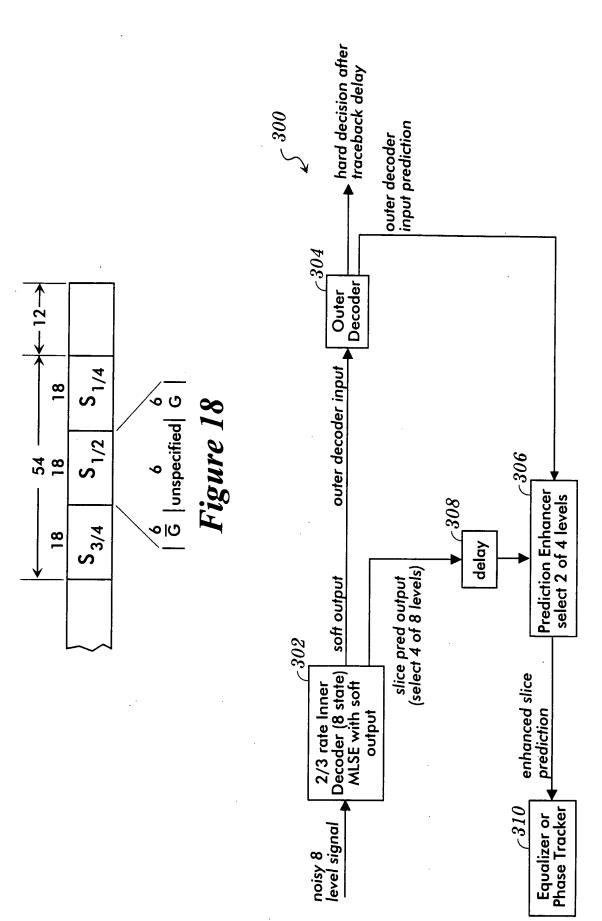
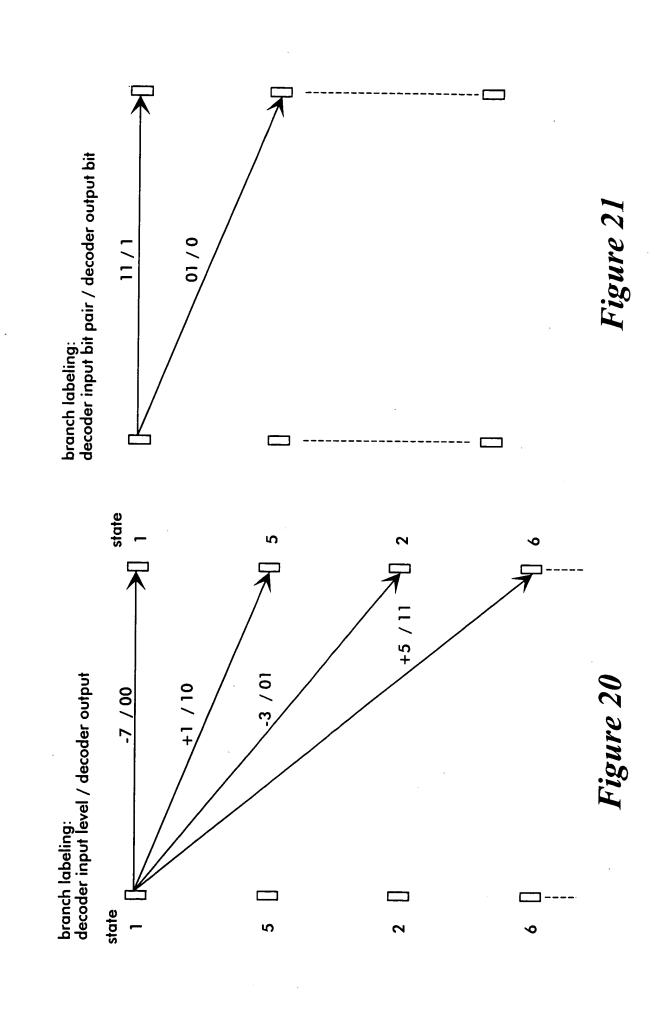


Figure 19



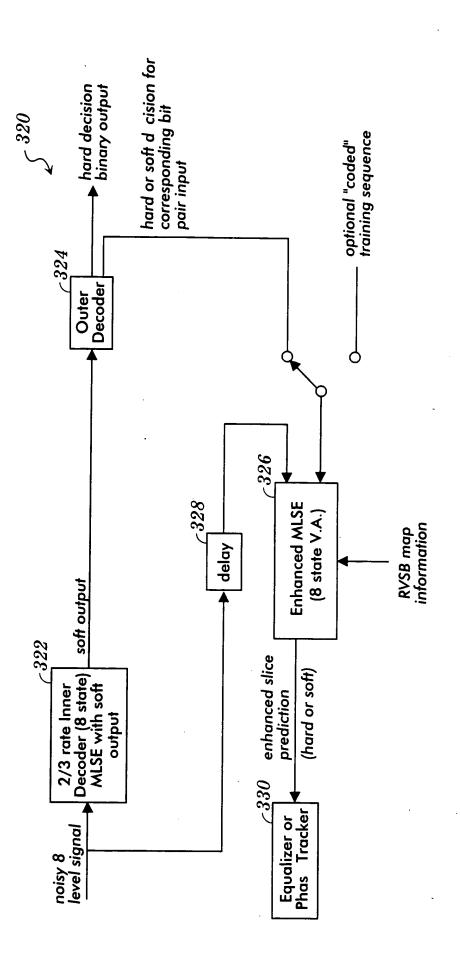


Figure 22